## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018366

C. C. CONTROL OF CURL FOR A CONTROL OF CONTR					
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl' C22C5/06, C23C14/34, C23C14/14, G11B7/24					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
	nentation searched (classification system followed by cl	lassification symbols)			
Int.Cl <sup>7</sup> C22C5/06, C23C14/34, C23C14/14, G11B7/24					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Jitsuyo	1996-2005				
Kokai J	itsuyo Shinan Koho 1971-2005 To	oroku Jitsuyo Shinan Koho	1994-2005		
Electronic data h	asse consulted during the international search (name of	data have and where practicable search to	erms used)		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Х	JP 2002-15464 A (Kobe Steel,	Ltd.),	1,2,10		
	18 January, 2002 (18.01.02),				
ļ	Par. Nos. [0064] to [0066]				
	& US 2002-150772 A1				
×	JP 2002-140929 A (Furuya Met 17 May, 2002 (17.05.02),	al Co., Ltd.),	1,2,6,8,9,10		
	Claims; Par. No. [0071] (Family: none)				
x	JP 2002-319185 A (Sumitomo M	etal Mining Co.,	1,2,3,5,6,8, 9,10		
	31 October, 2002 (31.10.02),		]		
	Claims; Par. Nos. [0016] to [	[0019], [0023]			
	(Family: none)				
<u> </u>					
Further documents are listed in the continuation of Box C. See patent family annex.					
Special categories of cited documents:  "T" later document published after the international filing date or prior date and not in conflict with the application but cited to understand to be of particular relevance  "T" later document published after the international filing date or prior date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
filing date		considered novel or cannot be considered when the document is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		"Y" document of particular relevance; the c	laimed invention cannot be		
special reason (as specified)		considered to involve an inventive :	step when the document is		
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the		combined with one or more other such being obvious to a person skilled in the			
priority date claimed "&" document member of the same patent family			amily		
•		Date of mailing of the international sear			
03 Feb:	cuary, 2005 (03.02.05)	08 March, 2005 (08.	.03.05) .		
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	ng address of the ISA/	Authorized officer			
Japanese Patent Office		į			
Fassimile No		Telephone No.			

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/018366

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	C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	
	Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>√</b>	x	JP 2003-160827 A (Mitsubishi Materials Corp.), 06 June, 2003 (06.06.03), Claims; Par. Nos. [0012] to [0017] (Family: none)	1,3,4,5,6,7,
<b>/</b>	х	JP 2003-160859 A (Mitsubishi Materials Corp.), 06 June, 2003 (06.06.03), Claims; Par. Nos. [0011] to [0014] (Family: none)	1,2,3,6,7,10
	х	JP 2003-160860 A (Mitsubishi Materials Corp.), 06 June, 2003 (06.06.03), Claims; Par. Nos. [0010] to [0013] (Family: none)	1,2,3,7,8,9,
	Ρ,Χ	JP 2004-238655 A (Deputo Kabushiki Kaisha), 26 August, 2004 (26.08.04), Claims (Family: none)	1,2,3,6,10

Form PCT/ISA/210 (continuation of second sheet) (January 2004)